Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

DBR No 000033/19-20
DATED 27/6/2019

No. 2nd & final bill
Division: Yelahanka Projects.

Date.....20...27/6/2019
Sub-Division: Yelahanka Projects.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.....

Name of Work: Providing Borewells, Pipelines and Water supply Vinayaka Nagar, Dwarakanagar, Agraharalayout, Kogilu Layout, Kattigenahalli, Chokkanahalli Surrounding areas in Ward No. 05.

Job Code No: 005-18-000056 **Est. cost: 100.00 lakhs**

Name of Contractor and Full Address : M/s KRIDL.

Agreement No: 135/2017-18, Dated : 05-03-2018

Certified that the measurements were taken by me on 30/3/19 and recorded in pages 162626 to 162646 of measurement Book No. 1623/1371 and that the work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 30/3/2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total upto dt	99,06,686=00
2) Deduct amount to be held in reserve being.....percent Rs.....	18 part:	81,99,149=00
3) Deduct amount to be held in Balance	Present:	17,07,537=00
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	2% IT:	30,151=00
Amount adjusted towards cash advance recovery of	1% CESS:	17,075=00
b) Payments cost store or other materials supplied.	1% CGST	15,246=00
Now made recovery of amount creditable to this/other work	1% SGST	15,246=00
Amount paid on this bill Cheque/Cash	CBF	1707=00
5) Balance being unpaid value of work done held in reserve	5% FSD	1,85,377=00
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	T/D:	1,68,802=00
7) Net amount due to or from contractor	Payable:	15,38,735=00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.
Witnesses :
1.

2.

Dated.....

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Signature of Contractor

Audited & Admitted for Rs.....
.....(Rs. 17,07,537=00 (In the Office).....
.....
.....(Rs. 15,38,735=00 by Cheque
and Rs. 1,68,802=00 by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

19/6
Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Initials of Officer Making Payment

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Providing Borewells, Pipelines and Water supply Vinayaka Nagar, Dwarakanagar, Agraharalayout, Kogilu Layout, Kattigenahalli, Chokkanahalli Surrounding areas in Ward No. 05

ABSTRACT RA BILL NO. 02

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc.,	Each	12.00	1938.46	23261.52	12.00	23261.52		1938.46	0.00	12.00	23261.52

2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)	mtr	600.00	315.18	189108.00	600.00	189108.00		315.18	0.00	600.00	189108.00
a	50 to 100 m	mtr	600.00	412.00	247200.00	600.00	247200.00		412.00	0.00	600.00	247200.00
b	100 to 150 m	mtr	600.00	458.35	275010.00	600.00	275010.00		458.35	0.00	600.00	275010.00
c	150 to 200 m	mtr	600.00	484.10	290460.00	600.00	290460.00		484.10	0.00	600.00	290460.00
d	200 to 250 m	mtr	600.00	560.32	336192.00	600.00	336192.00		560.32	0.00	600.00	336192.00
e	251 to 300 m	mtr	546.00	600.49	327867.54	546.00	327867.54		600.49	0.00	546.00	327867.54
f	300 to 350 m	mtr	563.00	640.66	360691.58	250.00	160165.00	313.00	640.66	200526.58	563.00	360691.58
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) SE PRED III NO 84	mtr	717.68	1325.00	950926.00	648.00	858600.00	69.68	1325.00	92326.00	717.68	950926.00
4	Providing 250mm dia PVC Pipe BWSSB SR 16-17 PNO 57 SL NO 11	mtr	60.00	1144.00	68640.00	60.00	68640.00		1144.00	0.00	60.00	68640.00
5	Providing 175mm dia ms casing cap page no III it no 85 pred 12-13 sr	Nos	12.00	100.00	1200.00	12.00	1200.00		100.00	0.00	12.00	1200.00
6	Providing MS Casing pipe collars page no III it no 86 pred 12-13 sr	Nos	104.00	150.00	15600.00	104.00	15600.00		150.00	0.00	104.00	15600.00

7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings . PAGE NO XXXXII	Each	2.00	70600.00	141200.00	2.00	141200.00		70600.00	0.00	2.00	141200.00
8	. KSRB13-3.1: Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page 90 ITEM NO 13.6)	mtr	2910.00	600.07	1746192.06	2910.00	1746192.06		600.07	0.00	2910.00	1746192.06
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extrued PVC sheathed suitable for working voltage upto 1100 Volts as per IS - 694 ; 1990 AND CONFORMING TO gtp OFGROUP A P. No. 12/ I No. (2.10.4) 3cx 6.0 Sqm KPWD Electrical SR 2014-15	mtr	5340.00	188.70	1007658.00	5340.00	1007658.00		188.70	0.00	5340.00	1007658.00

10	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes inculding transportion each length pno 558 ino 3 bwssb sr 14-	Each	475.00	88.00	41800.00	475.00	41800.00		88.00	0.00	475.00	41800.00
11	Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44No.6.6.6 KPWD	Each	10.00	302.00	3020.00	10.00	3020.00		302.00	0.00	10.00	3020.00
12	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp confirming IS 3975;1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.P No.55/ I No.7.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2014-15	mtr	251.00	140.40	35240.40	251.00	35240.40		140.40	0.00	251.00	35240.40
13	Labour charges for laying of 1.1 K.V class UG cable, P No. 61 / I No. 7.8.1 In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	mtr	251.00	10.80	2710.80	251.00	2710.80		10.80	0.00	251.00	2710.80
14	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., completeP No. 62/ I. No.7.9.4 KPWD Electrical SR 2014-15	mtr	202.00	117.00	23634.00	202.00	23634.00		117.00	0.00	202.00	23634.00
15	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 62/ I No.7.12.1 KPWD Electrical SR 2014-15	mtr	30.00	345.00	10350.00	30.00	10350.00		345.00	0.00	30.00	10350.00

16	Supplying and fixing L.T. cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No.62/ I No. 7.13.2 KPWD Electrical SR 2014-15	Each	10.00	280.00	2800.00	10.00	2800.00		280.00	0.00	10.00	2800.00
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (P No.55, I No. 7.1) KPWD Electrical SR 2014-15	Each	10.00	2727.00	27270.00	10.00	27270.00		2727.00	0.00	10.00	27270.00
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No44/I No 6.7.4 KPWD Electrical SR 2014-15	Each	30.00	360.00	10800.00	30.00	10800.00		360.00	0.00	30.00	10800.00
19	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 7.14.2 KPWD Electrical SR 2014-15	Each	60.00	86.00	5160.00	60.00	5160.00		86.00	0.00	60.00	5160.00
20	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications pno 47 IT 6.16.5 KPWD Electrical SR 2014-15	Each	10.00	1547.00	15470.00	10.00	15470.00		1547.00	0.00	10.00	15470.00

21	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 P.No. 49, I. No.6.40.2 KPWD Electrical SR 2014-15	Sqcm	376500.00	0.33	124245.00	376500.00	124245.00		0.33	0.00	376500.00	124245.00
22	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No.90 Item No. 13.55 / PWD SR 2016-17	Nos	10.00	1760.19	17601.94	10.00	17601.94		1760.19	0.00	10.00	17601.94
23	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No.92/ I. No. 13.81.3 PWD	Nos	20.00	252.97	5059.38	20.00	5059.38		252.97	0.00	20.00	5059.38
24	Gate value 50 mm nominal bore gun metal P. No.xxiii sl No. 673 PWD SR	Nos	30.00	1650.00	49500.00	30.00	49500.00		1650.00	0.00	30.00	49500.00
25	NIPPLE 50 mm nominal bore gun metal P. No.xxXIXiii FITTINGS PWD SR	Nos	10.00	104.30	1043.00	10.00	1043.00		104.30	0.00	10.00	1043.00
26	S BEND 50 mm nominal bore gun metal P. No.xxXIXiii FITTINGS PWD SR	Nos	30.00	219.00	6570.00	30.00	6570.00		219.00	0.00	30.00	6570.00
27	TEE 50 mm nominal bore gun metal P. No.xxXIXiii FITTINGS PWD SR	Nos	10.00	169.00	1690.00	10.00	1690.00		169.00	0.00	10.00	1690.00

28	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	Nos	10.00	10000.00	100000.00	10.00	100000.00		10000.00	0.00	10.00	100000.00
29	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications .(P.No.5, I.No.2.1) (SR of PWD)	Cum	2179.94	184.73	402691.11	1099.94	203186.81	1080.00	184.73	199504.30	2179.94	402691.11

30	Providing and installing at site of work pvc pipes including cost of pipes and special and labour including lowering into trenches laying true to line level and prefect linking at joints, leak proof including jointing of approved type with all labour and lift charges handling charges including encasing the pipes all round to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete PVC pipe of 6kg/cm2 75 mm (0.662) (Page no.13, Item No.7.1.5) (kuws and db)	mtr	4844.30	131.84	638672.51	2444.30	322256.51	2400.00	131.84	316416.00	4844.30	638672.51
31	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304 (Page no. 217, Item No.7.1.5) (kuws and db)	Cum	181.66	3152.08	572610.45	91.66	288923.42	90.00	3152.08	283687.03	181.66	572610.45
32	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (Page No.6, Item No. 2.11)	Cum	1998.27	89.42	178688.84	1008.27	90161.45	990.00	89.42	88527.38	1998.27	178688.84

E1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings . 17.5 HP/ 35 Stage	Each	6.00	74300.00	445800.00	0.00	0.00	6.00	74300.00	445800.00	6.00	445800.00
E2	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings . 2 HP/ 25 Stage	Each	1.00	20000.00	20000.00	0.00	0.00	1.00	20000.00	20000.00	1.00	20000.00

E3	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by meansns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings . 5 HP/ 40 Stage	Each	1.00	34200.00	34200.00	0.00	0.00	1.00	34200.00	34200.00	1.00	34200.00
	Total				**8757834.12**					**1680987.29**		**8757834.12**
	Add KRIDL Charges 11.0%				**963361.75**					**184908.60**		**963361.75**
	Bescom Deposit				**179748.00**					**179748.00**		**179748.00**
	Grand Total				**9900943.87**					**2045643.89**		**9900943.87**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

KRIDL, Bangalore

Assistant Engineer

Newzen Consultants Bangalore

Asst. Executive Engineer,